

Form PTO-1449

Sheet 1 of 5

Applicant: Dan E. Fischer, et al.

Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

Group: 3732

Confirmation No.: 6697

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT DESIRED ANGLE

**SUPPLEMENTAL INFORMATION DISCLOSURE CITATIONS MADE BY
APPLICANT**

U.S. Patent Documents

<u>Examiner Initial*</u>		<u>Patent Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub Class</u>	<u>Filing Date</u>
<u>CEO</u>	A1.	3,666,180	05/30/72	Coobs et al.	240	41.15	09/02/70
	A2.	5,046,810	09/10/91	Steiner et al.	385	38	06/22/90
	A3.	6,522,086	02/18/03	Gemunder et al.	315	291	05/21/01
	A4.	6,635,363	10/21/03	Duclos et al.	428	690	08/21/00
	A5.	6,702,576	03/09/04	Fischer et al.	433	29	02/22/02
	A6.	6,755,647	06/29/04	Melikechi et al.	433	29	04/26/01
	A7.	6,783,362	08/31/04	Cao	433	29	12/13/01
	A8.	6,890,175	05/10/05	Fischer et al.	433	29	12/18/02
<u>CU</u>	A9.	6,940,659	09/06/05	McLean et al.	359	709	12/23/02

Examiner:

Cary E O'Connor

Date Considered:

5/9/06

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U.S. Patent Publications

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date	
<u>CEO</u>	A10.	2004/0076921	04/22/04	Gofman et al.	433	29	10/17/02
	A11.	2004/0101802	05/27/04	Scott	433	29	11/21/02
	A12.	2004/0121280	06/24/04	Fischer et al.	433	29	12/18/02
	A13.	2004/0152038	08/05/04	Kumagai et al.	433	29	02/13/03
	A14.	2004/0201980	10/14/04	Fischer et al.	362	84	04/11/03
	A15.	2004/0203312	10/14/04	Bortscheller et al.	445	24	05/03/04
	A16.	2004/0214131	10/28/04	Fischer et al.	433	29	04/25/03
↓	A17.	2005/0136372	06/23/05	Fischer et al.	433	29	12/17/03
<u>CEO</u>	A18.	2005/0142514	06/30/05	Scott	433	29	12/30/03

Unpublished U.S. Applications

Examiner Initial*	Serial Number	Filing Date	First Named Applicant	
<u>CEO</u>	A19.	10/973,537	10/26/04	Robert R. Scott

Examiner:

Cary ED Connor

Date Considered:

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<u>CED</u>	A20.	11/184,433	07/19/05	Robert R. Scott
<u>↓</u>	A21.	11/200,988	08/10/05	Robert R. Scott
<u>↓</u>	A22.	11/294,159	12/05/05	Robert R. Scott
<u>CED</u>	A23.	60/304,324	07/10/01	Densen Cao

Foreign Patent Documents

Examiner Initial*	Document Number	Publ. Date	Country or Patent Office	Trans- lation
<u>CED</u>	A24.	WO 00113608	PCT	No

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner
Initial*

CED A25. "LUXoMAX the Latest News from AKEDA DENTAL," AKEDA DENTAL A/S, www.akeda.dk (October 1, 2001).

Examiner:

Cay ED ConnorDate Considered: 5/9/06

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CO

A26. "New Sandia UV LEDs emit short-wavelength, high power output," Sandia Laboratories, http://www.eurekalert.org/pub_releases2003-11/dnl-nsul11803.php (November 18, 2003).

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

Examiner:

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The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

AAM0000000763V001

Examiner:

Gay E O'Connor

Date Considered: 5/9/06

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DESIRED ANGLE**INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT****U.S. Patent Documents**

<u>Examiner Initial*</u>		<u>Patent Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Filing Date</u>
OC	A1.	Des 361,382	08/15/1995	Brunsell et al.	10/14/1993
	A2.	Des 385,051	10/04/1997	Wu	07/10/1996
	A3.	Des 385,360	10/28/1997	Lieb et al.	02/20/1996
	A4.	3,310,358	03/21/1967	Marcatili	05/01/1963
	A5.	3,704,928	12/05/1972	Coombs et al.	12/05/1972
	A6.	3,930,149	12/30/1975	French	05/28/1974
	A7.	4,184,196	01/15/1980	Moret	01/15/1980
	A8.	4,281,366	07/28/1981	Wurster et al.	02/25/1980
	A9.	4,221,994	09/09/1980	Friedman et al.	11/09/1978
	A10.	4,229,658	10/21/1980	Gonser	08/18/1978
↓	A11.	4,245,890	01/20/1981	Hartman et al.	01/02/1979
OC	A12.	4,266,535	05/12/1981	Moret	04/12/1979

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OC	A13.	4,309,617	01/05/1982	Long	07/24/1980
	A14.	4,348,180	09/07/1982	Schuss	09/07/1982
	A15.	4,392,827	07/12/1983	Martin	11/04/1981
	A16.	4,522,594	06/11/1985	Stark et al.	06/11/1985
	A17.	4,611,992	09/16/1986	Lokken	11/02/1984
	A18.	4,666,405	05/19/1987	Ericson	02/22/1984
	A19.	4,666,406	05/19/1987	Kanca, III	01/13/1984
	A20.	4,682,950	07/28/1987	Dragan	10/30/1985
	A21.	4,698,730	10/06/1987	Sakai et al.	10/06/1987
	A22.	4,733,937	03/29/1988	Lia et al.	10/17/1986
	A23.	4,836,782	06/06/1989	Gonser	05/06/1983
	A24.	4,935,665	06/19/1990	Murata	11/07/1988
	A25.	4,948,215	08/14/1990	Friedman	08/10/1989
	A26.	4,963,798	10/16/1990	McDermott	02/21/1989
	↓				
	A27.	4,992,045	02/12/1991	Beisel	10/28/1988
OC	A28.	5,017,140	05/21/1991	Ascher	05/15/1989

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OC	A29.	5,013,144	05/07/1991	Silverglate et al.	07/23/1990
	A30.	5,013,240	05/07/1991	Bailey et al.	06/19/1990
	A31.	5,043,634	08/27/1991	Rothwell, Jr. et al.	06/27/1988
	A32.	5,071,222	12/10/1991	Laakmann et al.	04/24/1990
	A33.	5,115,761	05/26/1992	Hood	10/09/1990
	A34.	5,123,845	06/23/1992	Vassiliadis et al.	05/28/1991
	A35.	5,139,495	08/18/1992	Daikuzono	01/12/1990
	A36.	5,161,879	11/10/1992	McDermott	04/10/1991
	A37.	5,275,564	01/04/1994	Vassiliadis et al.	02/12/1992
	A38.	5,285,318	02/08/1994	Gleckman	06/22/1992
	A39.	5,288,231	02/22/1994	Kuehn et al.	03/08/1993
	A40.	5,290,169	03/01/1994	Friedman et al.	11/02/1992
	A41.	5,312,249	05/17/1994	Kennedy	10/05/1992
	A42.	5,328,368	07/12/1994	Lansing et al.	04/20/1992
✓	A43.	5,348,552	09/20/1994	Nakajima et al.	08/26/1992
OC	A44.	5,371,826	12/06/1994	Friedman	08/27/1993

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<u>OC</u>	A45.	5,382,799	01/17/1995	May	12/14/1993
	A46.	5,388,988	02/14/1995	Goisser et al.	08/02/1993
	A47.	5,397,892	03/14/1995	Abdelqader	01/07/1994
	A48.	5,415,543	05/16/1995	Rozmajzl, Jr.	12/20/1993
	A49.	5,420,768	05/30/1995	Kennedy	09/13/1993
	A50.	5,448,323	09/05/1995	Clark et al.	12/23/1993
	A51.	5,457,611	10/10/1995	Verderber	07/09/1993
	A52.	5,485,317	01/16/1996	Perissinotto et al.	10/08/1993
	A53.	5,521,392	05/28/1996	Kennedy et al.	04/29/1994
	A54.	5,527,261	06/18/1996	Monroe et al.	12/29/1994
	A55.	5,616,141	04/01/1997	Cipolla	01/11/1996
	A56.	5,634,711	06/03/1997	Kennedy et al.	09/13/1994
	A57.	5,660,461	08/26/1997	Ignatius et al.	12/08/1994
	A58.	5,669,769	09/23/1997	Disel	05/03/1996
<u>✓</u>	A59.	5,698,866	12/16/1997	Doiron et al.	05/28/1996
<u>OC</u>	A60.	5,711,665	01/27/1998	Adam et al.	12/19/1995

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<u>OC</u>	A61.	5,733,029	03/31/1998	Monroe	09/22/1995
	A62.	5,749,724	05/12/1998	Cheng	05/12/1997
	A63.	5,759,032	06/02/1998	Bartel	07/24/1996
	A64.	5,762,605	06/09/1998	Canc et al.	11/30/1995
	A65.	5,768,458	06/16/1998	Ro et al.	11/05/1996
	A66.	5,772,643	06/30/1998	Howell et al.	02/29/1996
	A67.	5,782,553	07/21/1998	McDermott	10/28/1993
	A68.	5,791,898	08/11/1998	Maissami	06/23/1997
	A69.	5,797,740	08/25/1998	Lundvik	04/16/1997
	A70.	5,803,729	09/08/1998	Tsimmerman	07/17/1996
	A71.	5,880,839	03/09/1999	Ishizuka et al.	10/14/1997
	A72.	5,885,082	03/23/1999	Levy	06/03/1991
	A73.	5,905,268	05/18/1999	Garcia et al.	04/21/1997
	A74.	5,908,294	06/01/1999	Schick et al.	06/12/1997
	 A75.	5,908,295	06/01/1999	Kawata	05/28/1998
<u>OC</u>	A76.	5,912,470	06/15/1999	Eibofner et al.	09/05/1997

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<u>oc</u>	A77.	5,921,777	07/13/1999	Dorman	06/26/1998
	A78.	5,971,755	10/26/1999	Liebermann et al.	08/26/1997
	A79.	5,975,895	11/02/1999	Sullivan	11/12/1997
	A80.	6,001,058	12/14/1999	Sano et al.	11/24/1997
	A81.	6,008,264	12/28/1999	Ostler et al.	04/27/1998
	A82.	6,019,482	02/01/2000	Everett	10/15/1998
	A83.	6,019,599	02/01/2000	Völcker et al.	08/06/1998
	A84.	6,028,694	02/22/2000	Schmidt	05/22/1998
	A85.	6,033,087	03/07/2000	Shozo et al.	12/23/1997
	A86.	6,033,223	03/07/2000	Narusawa et al.	09/18/1997
	A87.	6,036,336	03/14/2000	Wu	05/08/1998
	A88.	6,059,421	05/09/2000	White et al.	02/27/1998
	A89.	6,068,474	05/30/2000	Senn et al.	01/26/1999
	A90.	6,077,073	06/20/2000	Jacob	09/15/1998
	A91.	6,086,366	07/11/2000	Mueller et al.	09/11/1996
<u>oc</u>	A92.	6,089,740	07/18/2000	Forchand et al.	01/08/1998

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OC	A93.	6,095,661	08/01/2000	Lebens et al.	03/19/1998
	A94.	6,095,812	08/01/2000	Senn et al.	03/01/1999
	A95.	6,099,520	08/08/2000	Shimoji	06/30/1998
	A96.	6,102,696	08/15/2000	Osterwalder et al.	04/30/1999
	A97.	6,103,203	08/15/2000	Fischer	08/15/1997
	A98.	6,123,545	09/26/2000	Eggler et al.	04/07/1999
	A99.	6,155,823	12/05/2000	Nagel	06/18/1999
	A100.	6,159,005	12/12/2000	Herold et al.	05/15/1998
	A101.	6,200,134	03/13/2001	Kovac et al.	01/20/1998
	A102.	6,208,788	03/27/2001	Nosov	07/26/1998
	A103.	6,270,343	08/07/2001	Martin	01/07/2000
	A104.	6,280,187	08/28/2001	Stone	02/11/2000
	A105.	6,282,013	08/28/2001	Ostler et al.	04/27/1998
	A106.	6,318,996	11/20/2001	Melikechi et al.	10/05/1999
	A107.	6,322,358	11/27/2001	Senn et al.	03/01/1999
OC	A108.	6,325,623	12/04/2001	Melnyk et al.	03/31/2000

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OC	A109.	6,328,456	12/11/2001	Mize	03/24/2000
	A110.	6,331,111	12/18/2001	Cao	09/24/1999
	A111.	6,361,192	03/26/2002	Fussell et al.	10/25/1999
	A112.	6,361,489	03/26/2002	Tsai	09/30/1999
	A113.	6,398,398	06/04/2002	Moschkowitz	02/18/1999
	A114.	6,402,511	06/11/2002	Calderwood	02/01/1999
	A115.	6,417,917	07/09/2002	Jung et al.	01/08/2001
	A116.	6,419,483	07/16/2002	Adam et al.	03/01/2000
	A117.	6,439,888	08/27/2002	Boutoussov et al.	05/03/1999
	A118.	6,465,961	10/15/2002	Cao	08/24/2001
	A119.	6,468,077	10/22/2002	Melikechi et al.	04/26/2001
	A120.	6,478,447	11/12/2002	Ycn	11/23/1999
	A121.	6,482,004	11/16/2002	Senn et al.	03/24/2000
	A122.	6,485,301	11/26/2002	Gemunder et al.	01/24/2001
	✓ A123.	6,511,317	01/28/2003	Melikechi et al.	04/26/2001
OC	A124.	6,511,321	01/28/2003	Trushkowsky et al.	11/20/2000

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OC	A125.	6,514,075	02/04/2003	Jacob	09/08/2000
	A126.	6,611,110	08/26/2003	Frcgoso	07/17/2001
	A127.	6,692,251	02/17/2004	Logan et al.	08/04/2000
	A128.	6,692,252	02/17/2007	Scott	12/17/2001
	A129.	6,709,128	03/23/2004	Gordon et al.	03/25/2002
	A130.	6,719,558	04/13/2004	Cao	02/11/2002
	A131.	6,719,559	04/13/2004	Cao	02/12/2002
	A132.	6,755,648	06/29/2004	Cao	02/04/2002
OC	A133.	6,755,649	06/29/2004	Cao	02/05/2002

Patent Application Publication

Examiner Initial*	Publication Number	Publication Date	Name	Filing Date	
OC	A134.	US 2001/0038992 A1	11/08/2001	Otsuka	04/23/2001
	A135.	US 2001/0046652 A1	11/29/2001	Ostler et al.	03/07/2001
	A136.	US 2001/0055451 A1	12/27/2001	Kuhara et al.	04/06/2001
OC	A137.	US 2001/0055451 A1	12/27/2001	Kuhara et al.	12/27/2001

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Form PTO-1449

Sheet 10 of 14

Applicant: Dan E. Fischer, DDS et al.

Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT A
DESIRED ANGLE

OC	A138.	US 2002/0073921 A1	06/20/2002	Russell et al.	09/18/2001
	A139.	US 2002/0085372 A1	07/04/2002	Lehrer	12/28/2000
	A140.	US 2002/0093833 A1	07/18/2002	West	11/28/2001
	A141.	US 2002/0115037 A1	08/22/2002	Cao	12/13/2001
	A142.	US 2002/0133970 A1	09/26/2002	Gordon et al.	03/25/2002
	A143.	US 2002/0147383 A1	10/10/2002	Weber et al.	04/04/2002
	A144.	US 2002/0163317 A1	11/07/2002	Cao	01/05/2002
	A145.	US 2002/0167283 A1	11/14/2002	Cao	02/05/2002
	A146.	US 2002/0168306 A1	11/14/2002	Cao	12/13/2001
	A147.	US 2002/0168604 A1	11/14/2002	Cao	02/05/2002
	A148.	US 2002/0168605 A1	11/14/2002	Cao	02/06/2002
	A149.	US 2002/0168606 A1	11/14/2002	Cao	02/05/2002
	A150.	US 2002/0168607 A1	11/14/2002	Cao	02/11/2002
	A151.	US 2002/0168608 A1	11/14/2002	Cao	02/11/2002
✓	A152.	US 2002/0172912 A1	11/21/2002	Cao	02/06/2002
OC	A153.	US 2002/0172913 A1	11/21/2002	Cao	01/05/2002

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Form PTO-1449

Sheet 11 of 14

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Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT A
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<u>OC</u>	A154.	US 2002/0172914 A1	11/21/2002	Cao	01/05/2002
	A155.	US 2002/0172915 A1	11/21/2002	Cao	02/05/2002
	A156.	US 2002/0172916 A1	11/21/2002	Cao	02/06/2002
	A157.	US 2002/0172917 A1	11/21/2002	Cao	02/11/2002
	A158.	US 2002/0175352 A1	11/28/2002	Cao	07/03/2002
	A159.	US 2002/0175628 A1	11/28/2002	Cao	07/03/2002
	A160.	US 2002/0177095 A1	11/28/2002	Cao	02/04/2002
	A161.	US 2002/0177096 A1	11/28/2002	Cao	02/11/2002
	A162.	US 2002/0177099 A1	11/28/2002	Cao	07/03/2002
	A163.	US 2002/0180368 A1	12/05/2002	Cao	07/03/2002
	A164.	US 2002/0181947 A1	12/05/2002	Cao	02/05/2002
	A165.	US 2002/0182561 A1	12/05/2002	Cao	02/05/2002
	A166.	US 2002/0182562 A1	12/08/2002	Cao	01/05/2002
	A167.	US 2002/0187454 A1	12/12/2002	Melikechi et al.	04/26/2001
<u>V</u>	A168.	US 2002/0187455 A1	12/12/2002	Melikechi et al.	04/26/2001
<u>OC</u>	A169.	US 2002/0190659 A1	12/19/2002	Cao	07/03/2002

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Sheet 12 of 14

Applicant: Dan E. Fischer, DDS et al.

Serial No.: 10/644,707

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Filing Date: August 20, 2003

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DESIRED ANGLE

<u>OC</u>	A170.	US 2002/0190660 A1	12/19/2002	Cao	07/03/2002
	A171.	US 2002/0197582 A1	12/26/2002	Cao	12/13/2001
	A172.	US 2003/0001507 A1	01/02/2003	Cao	02/12/2002
	A173.	US 2003/0036031 A1	02/20/2003	Lieb et al.	05/15/2002
	A174.	US 2003/0038291 A1	02/27/2003	Cao	08/24/2001
	A175.	US 2003/0039119 A1	02/27/2003	Cao	08/24/2001
	A176.	US 2003/0039120 A1	02/27/2003	Cao	08/24/2001
	A177.	US 2003/0039122 A1	02/27/2003	Cao	08/24/2001
	A178.	US 2003/0040200 A1	02/27/2003	Cao	08/24/2001
	A179.	US 2003/0081430 A1	05/01/2003	Bocker	10/30/2001
	A180.	US 2003/0133203 A1	07/17/2003	McLean et al.	01/11/2002
	A181.	US 2003/0133298 A1	07/17/2003	Cao	07/03/2002
	A182.	US 2003/0142413 A1	07/31/2003	McLean et al.	12/23/2002
	A183.	US 2003/0147254 A1	08/07/2003	Yoneda et al.	12/03/2002
<u>V</u>	A184.	US 2003/0147258 A1	08/07/2003	Fischer et al.	02/05/2002
<u>OC</u>	A185.	US 2003/0148242 A1	08/07/2003	Fischer et al.	02/05/2002

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Sheet 13 of 14

Applicant: Dan E. Fischer, DDS et al.

Serial No.: 10/644,707

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Filing Date: August 20, 2003

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT A
DESIRED ANGLE

<u>OC</u>	A186.	US 2003/0152885 A1	08/14/2003	Dinh	11/26/2001
	A187.	US 2003/0186195 A1	10/02/2003	Comfort et al.	05/07/2002
	A188.	US 2003/0215766 A1	11/20/2003	Fischer et al.	04/25/2003
	A189.	US 2003/0218880 A1	11/27/2003	Brukilacchio	12/30/2002
	A190.	US 2003/0219693 A1	11/27/2003	Cao	12/13/2001
	A191.	US 2003/0219694 A1	11/27/2003	Bianchetti et al.	05/24/2002
	A192.	US 2003/0235800 A1	12/25/2003	Qadar	07/24/2002
<u>OC</u>	A193.	US 2004/0033033 A1	02/19/2004	Hoshino et al.	06/12/2003

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Sheet 14 of 14

Applicant: Dan E. Fischer, DDS et al.

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Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT A
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References Cited by Applicants

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Sheet 1 of 2

Applicant: Dan E. Fischer, DDS et al.

Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

Group: Unknown

Confirmation No.: 6697

For: DENTAL CURING LIGHT ADAPTED TO EMIT A LIGHT AT A
DESIRED ANGLEINFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

Examiner Initial*		Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
OC	A1.	4,385,344	05/24/83	Gonser	362	32	8/29/80
OC	A2.	5,897,314	4/27/99	Hack, et al.	433	29	8/27/97
OC	A3.	6,666,875	12/23/03	Sakurai, et al.	606	169	1/27/00

References Cited by Applicants

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Sheet 2 of 2

Applicant: Dan E. Fischer, DDS et al.

Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

Group: Unknown

Confirmation No.: 6697

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Sheet 1 of 2

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Serial No.: 10/644,707

Att'y Docket No.: 7678.727

Filing Date: August 20, 2003

For: DENTAL CURING LIGHT ADAPTED TO EMIT LIGHT AT A
DESIRED ANGLE**INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT****Patent Application Publications**

Examiner Initial*	Publication Number	Publication Date	Name	Filing Date
OC A1.	US 2002/0102513 A1	08/01/2002	Plank	12/13/2001

References Cited by Applicants

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